

# Derek Ni

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<https://derekni.com> | <https://github.com/derekni>

## Education

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### Cornell University

*B.S. Computer Science; GPA: 4.13*

Ithaca, NY

*Expected May 2023*

Courses: Object Oriented Programming and Data Structures, Discrete Structures, Data Structures and Functional Programming, Intro to Backend Development, Multivariable Calculus, Linear Algebra, Basic Engineering Probability and Statistics

### Thomas Jefferson High School for Science and Technology

*GPA: 4.48 (weighted), 3.88 (unweighted); SAT: 1580/1600*

Alexandria, VA

*June 2019*

Webmaster of Mobile Apps Club, Captain of Varsity Tennis Team, National AP Scholar, National Merit Finalist

Courses: Mobile App Development, Web App Development, Artificial Intelligence

## Work Experience

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### MITRE

*Cyber Security Intern*

McLean, VA

*May 2020 - August 2020*

Wrote Python and shell scripts to evaluate results from 5 synthetic audio machine learning models, tested audio identification on real and synthetic audio, and generated synthetic images using GANs.

### Cornell University

*CS 2110 Consultant*

Ithaca, NY

*August 2020 - Present*

Host weekly office hours to help students with object oriented programming and give feedback to students on coding assignments, quizzes and exams.

### Monster Roll

*Employee*

Fairfax, VA

*January 2018 - July 2019*

Part-time job taking orders and making rolled ice cream & bubble tea.

## Projects

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### Jimmy Jumper

A mobile runner game where the player runs and jumps on platforms in the sky. Coded using C# in Unity.

### Johnny Jumper

A mobile jump game where the player jumps on platforms to reach the sky. Coded using JavaScript with Phaser.

### TaskTime

Productivity app to motivate users to complete to-dos through a points system. Coded using Swift in XCode.

## Skills & Interests

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**Skills:** Python, Java, C#, Swift, JavaScript, HTML and SQL

**Interests:** Reading, tennis, piano, podcasts and running

## Organizations

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### Cornell ACSU

*Academic Officer*

Ithaca, NY

*October 2019 - Present*

Organize and host on-campus academic events like mock interviews and coding workshops.

### Southgate GIVE

*Center Manager*

Reston, VA

*September 2015 - June 2019*

Managed scheduling, communication and tutoring for tutoring program at local community center.